

The Maryland Food System Mapping Project

A project of the Johns Hopkins
Center for a Livable Future

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Center for a Livable Future

Our mission: To promote research and to develop and communicate information about the complex interrelationships among ***diet, food production, environment*** and ***human health*** in order to advance an ecological perspective in reducing threats to the health of the public; and to promote policies that protect health, the global environment and the ability to sustain life for future generations.



Community Food Assessment in SW Baltimore

Goal:

- Store survey - measure the availability of healthy food in their neighborhood.
- Residents' survey - identify key food and nutrition issues that community members are facing.

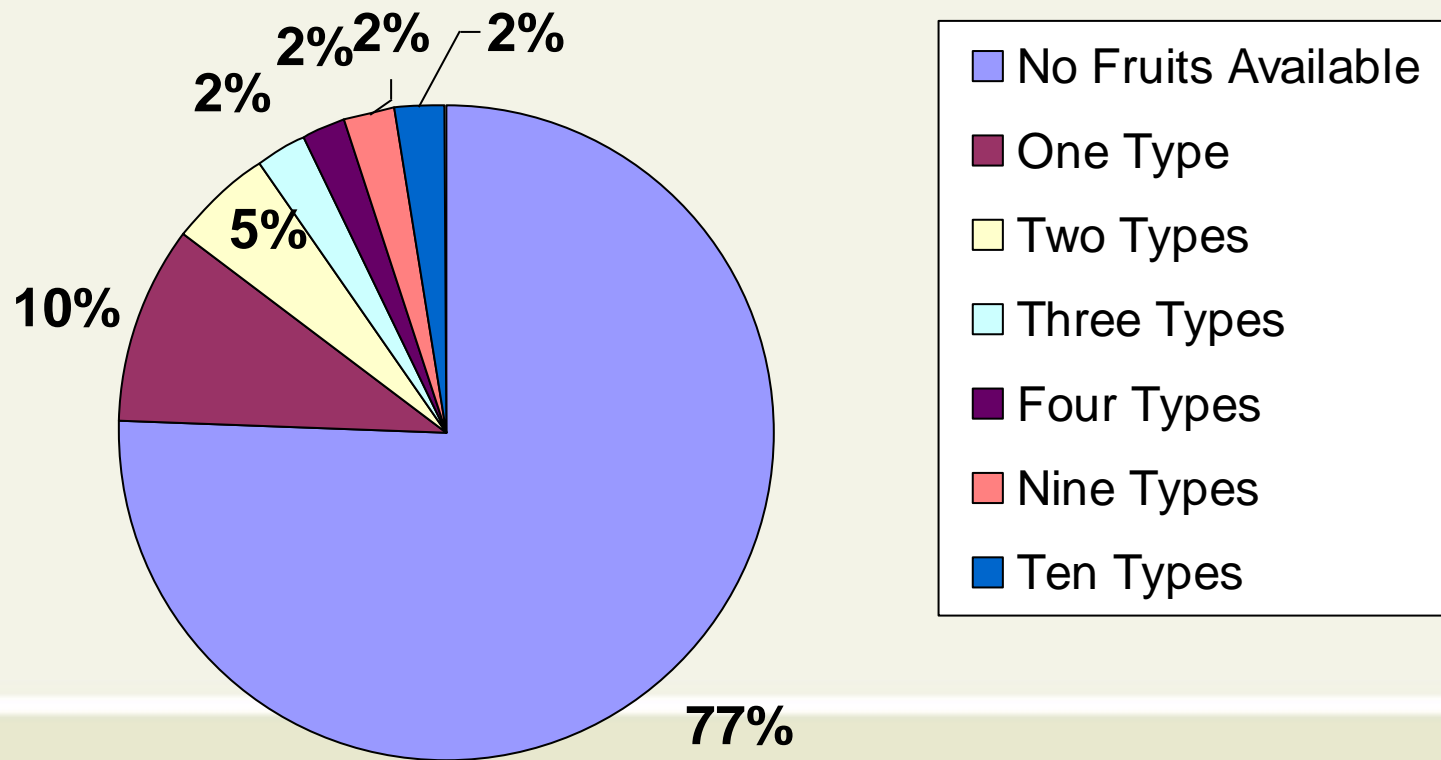
Objectives:

- Identify institution and individual barriers and strengths
- Identify educational & communication opportunities to increase awareness of the benefits of healthy eating



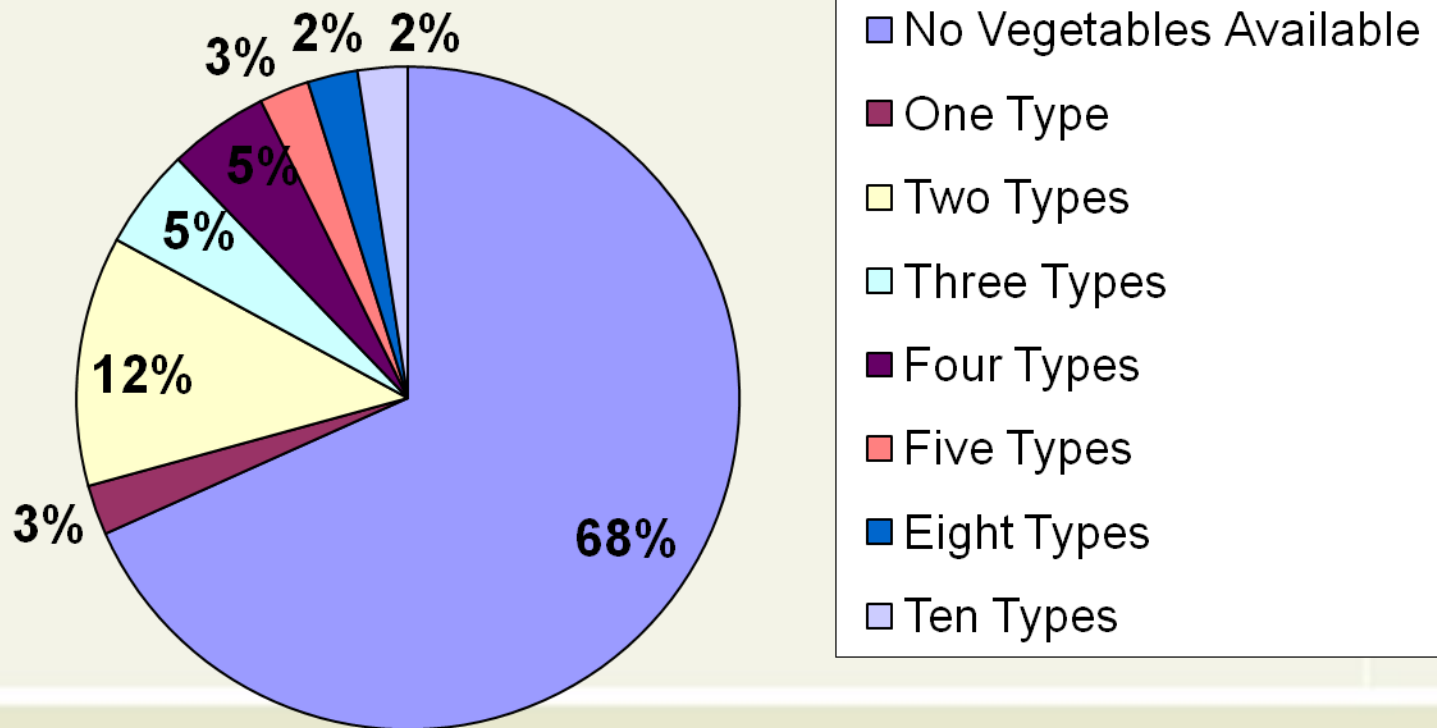
Availability of fruits

- 76% - *NO* fruit for sale
- Of the 10 stores that sold fruit – only 2 sold more than 4 types



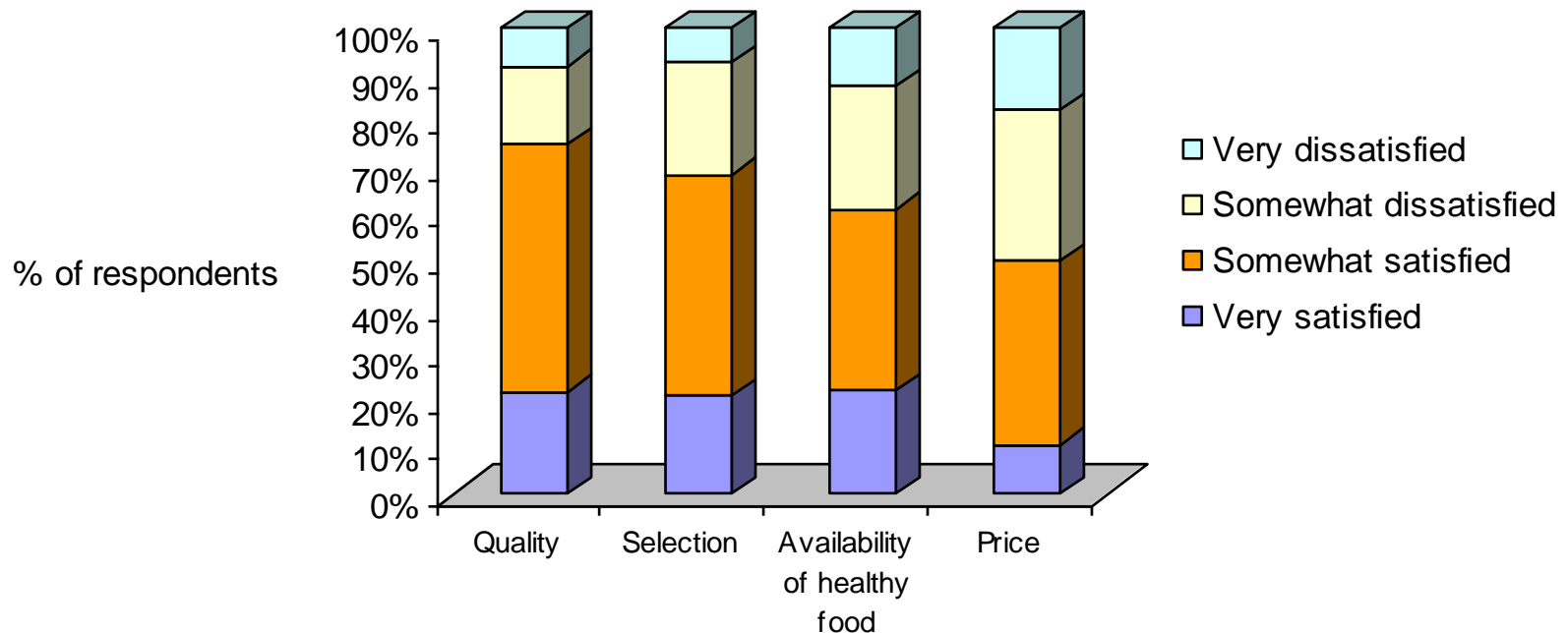
Availability of vegetables

- 69% - *NO* vegetables for sale
- 15% sold only one or two varieties
- *Only 2* stores sold more than 5 types



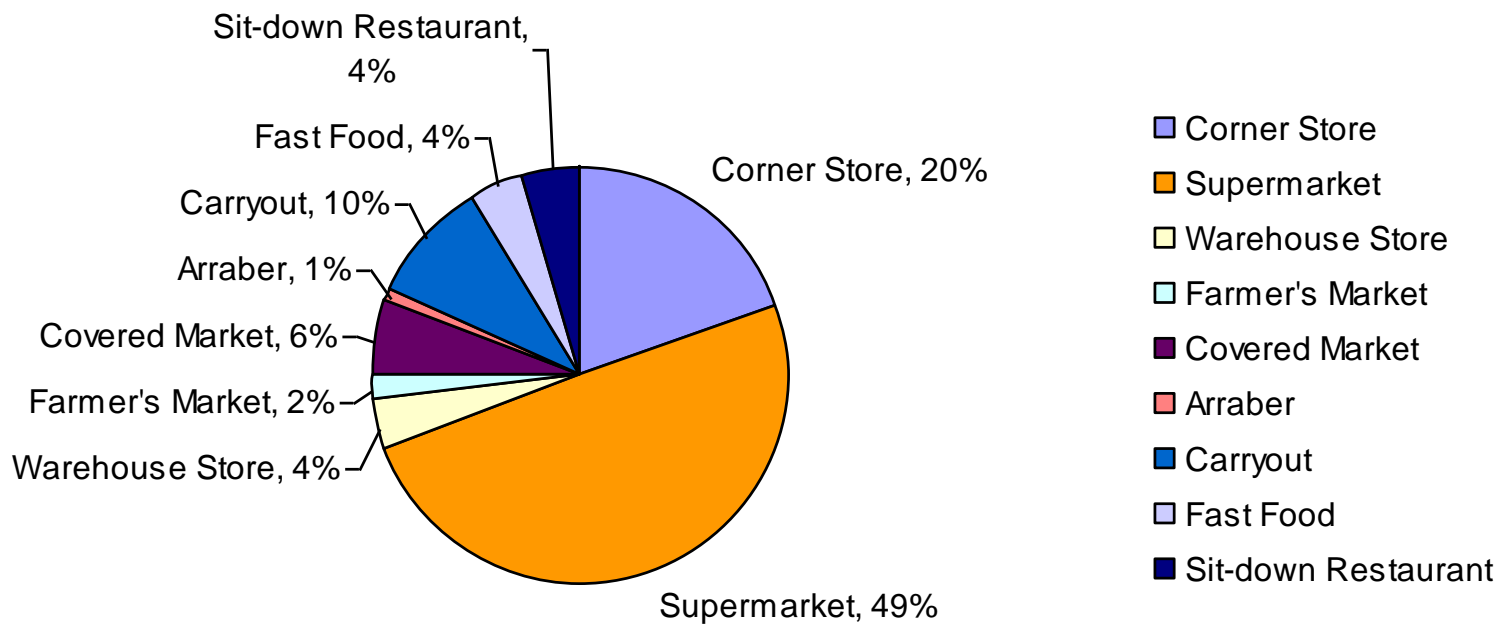
Residents Survey: Satisfaction with Food in OROSW Area

Figure 1. Satisfaction with food among OROSW respondents



Residents Survey: Food Shopping

Figure 7. Average Monthly Food Expenditure by Store



Economic Barriers: Residents Survey on Food Shopping

Most money spent – at *supermarkets*

Average monthly expenditures

- \$140 at corner stores

\$280 at supermarkets



Economic Barriers and Availability

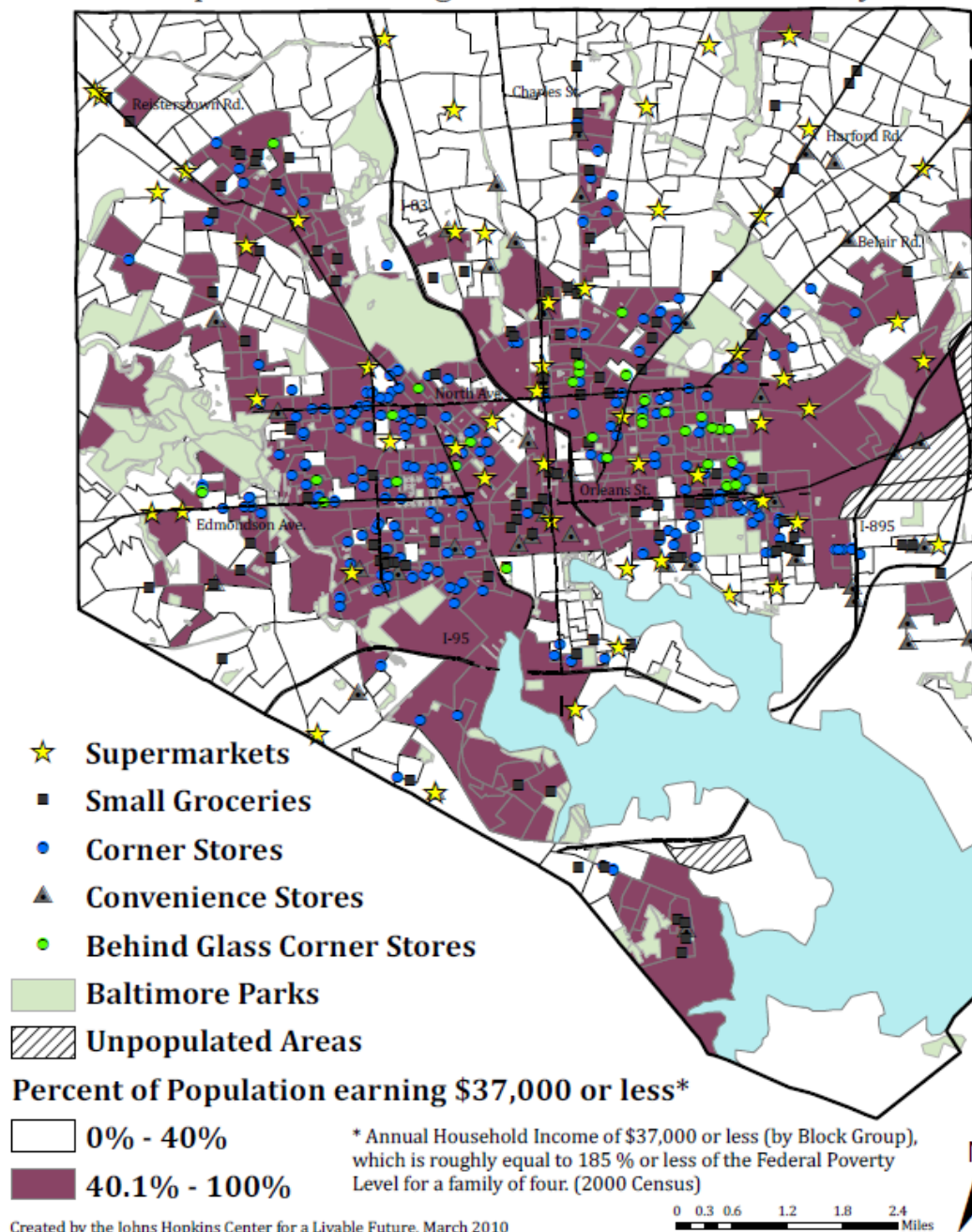
- 52% were “*sometimes*” or “often” unable to buy healthy food due to lack of resources
- 40% - stated certain foods were desired but not available (e.g. fresh fruits, vegetables, quality meat)



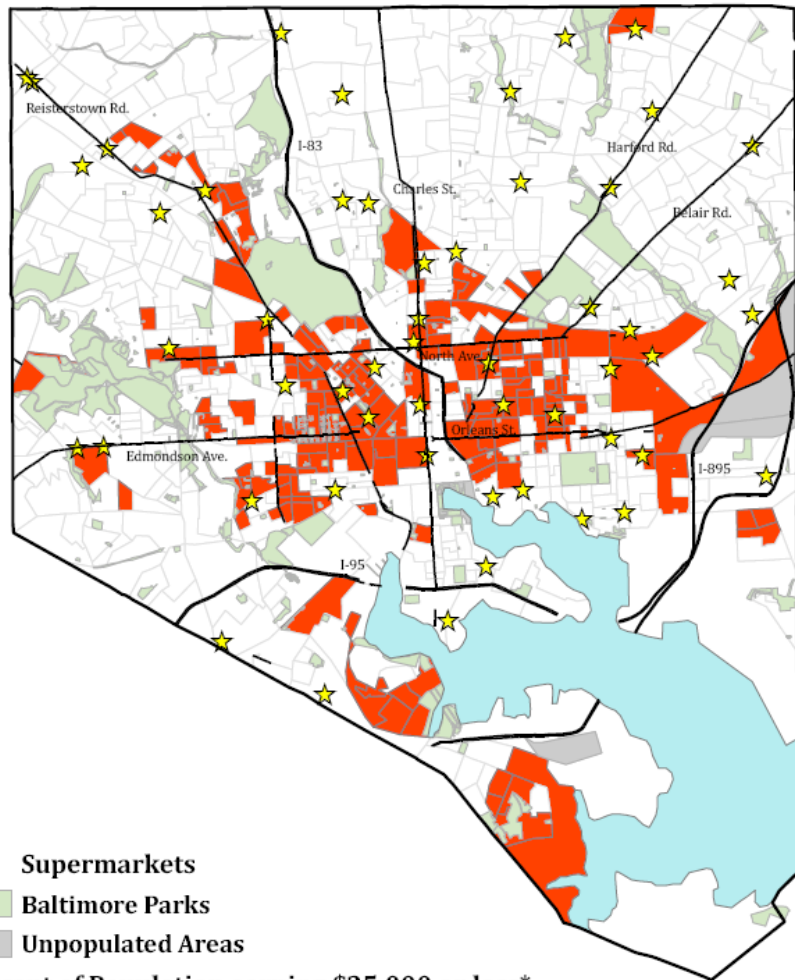
Data Sources

- **Food Stores** – Baltimore Health Department's Food Sales Permit List
- **Farmers Markets** – MD Dept of Agriculture (www.marylandsbest.net)
- **Community Gardens** – Baltimore City Extension, Parks & People, Maryland Agriculture Education Foundation
- **Demographic Information** – 2000 Census

Baltimore Food Stores, 2009 and Population Earning less than \$37,000 Annually



Baltimore Supermarkets, 2009 and Population in Poverty, by Block Group



- ★ Supermarkets
- Baltimore Parks
- Unpopulated Areas

Percent of Population earning \$25,000 or less*

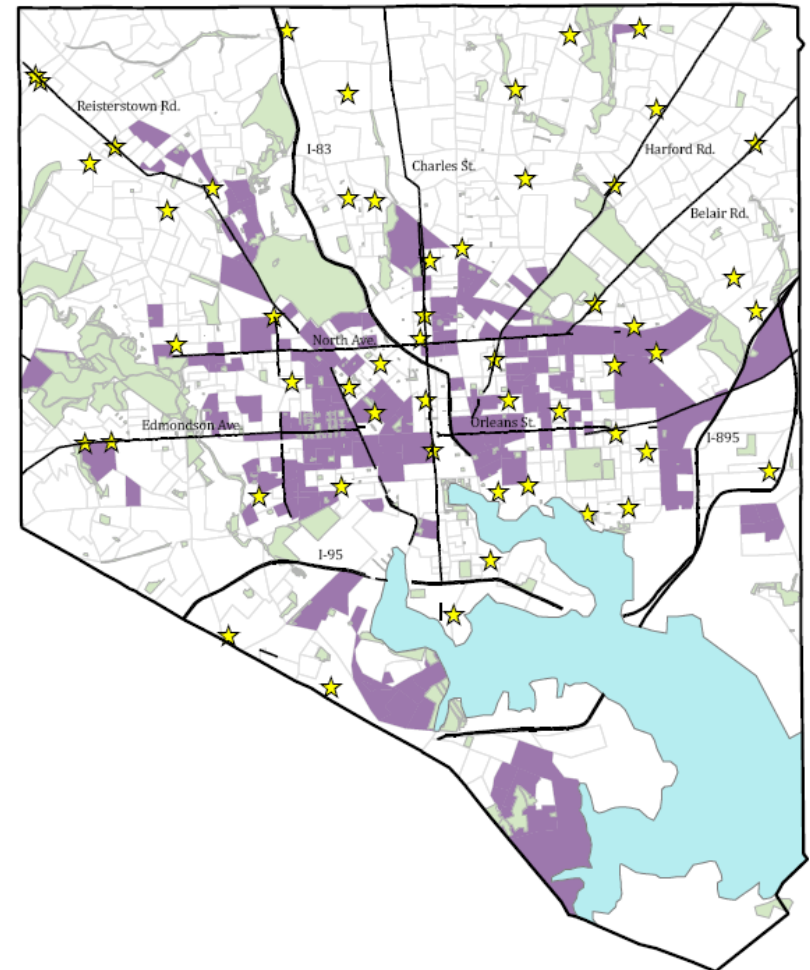
- 0% - 40%
- 40.1% - 100%

* \$25,000 = 125% of the Federal Poverty Level for a family of four: (2000 U.S. Census)

0 0.4 0.8 1.6 2.4 3.2 Miles



Food Deserts in Baltimore and Supermarkets



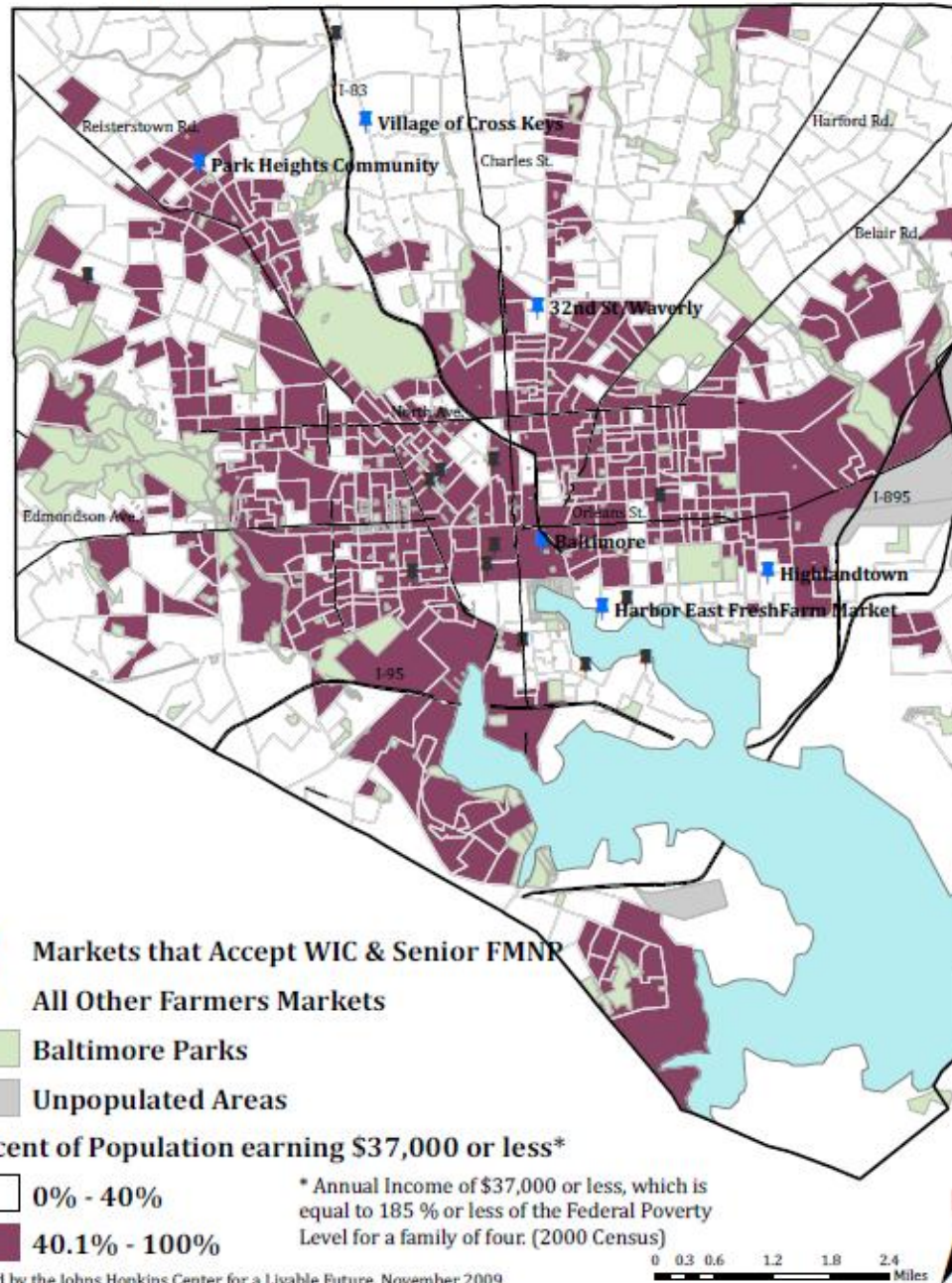
- ★ Supermarkets
- Food Deserts*
- Baltimore Parks

* Food Deserts are defined as block groups that are more than 1/4 mile from a major supermarket, and have 40% or more of their population with an income below 125% of the poverty line (below \$25,000 for a family of four).

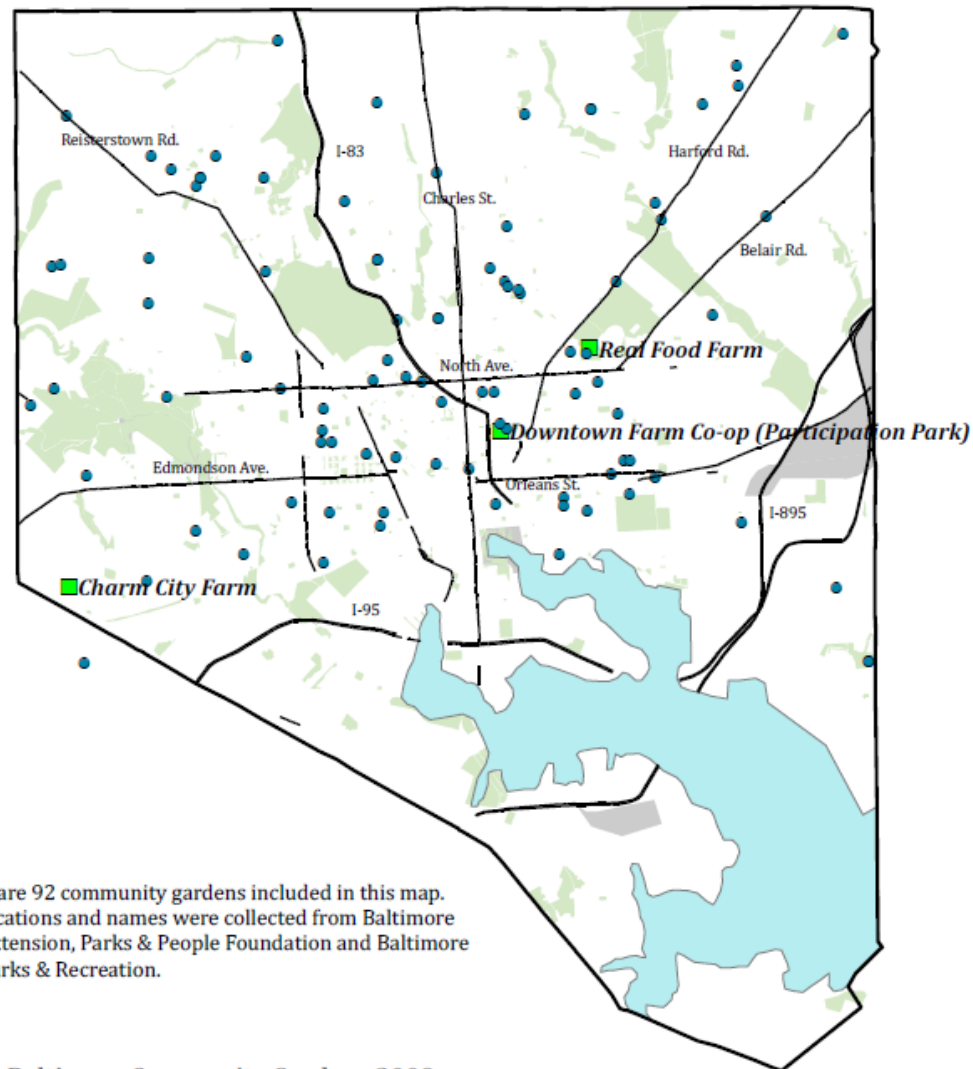
0 0.4 0.8 1.6 2.4 3.2 Miles



Baltimore Farmers Markets, 2009 and Population Earning less than \$37,000 Annually



Community Gardens and Urban Farms in Baltimore, 2009

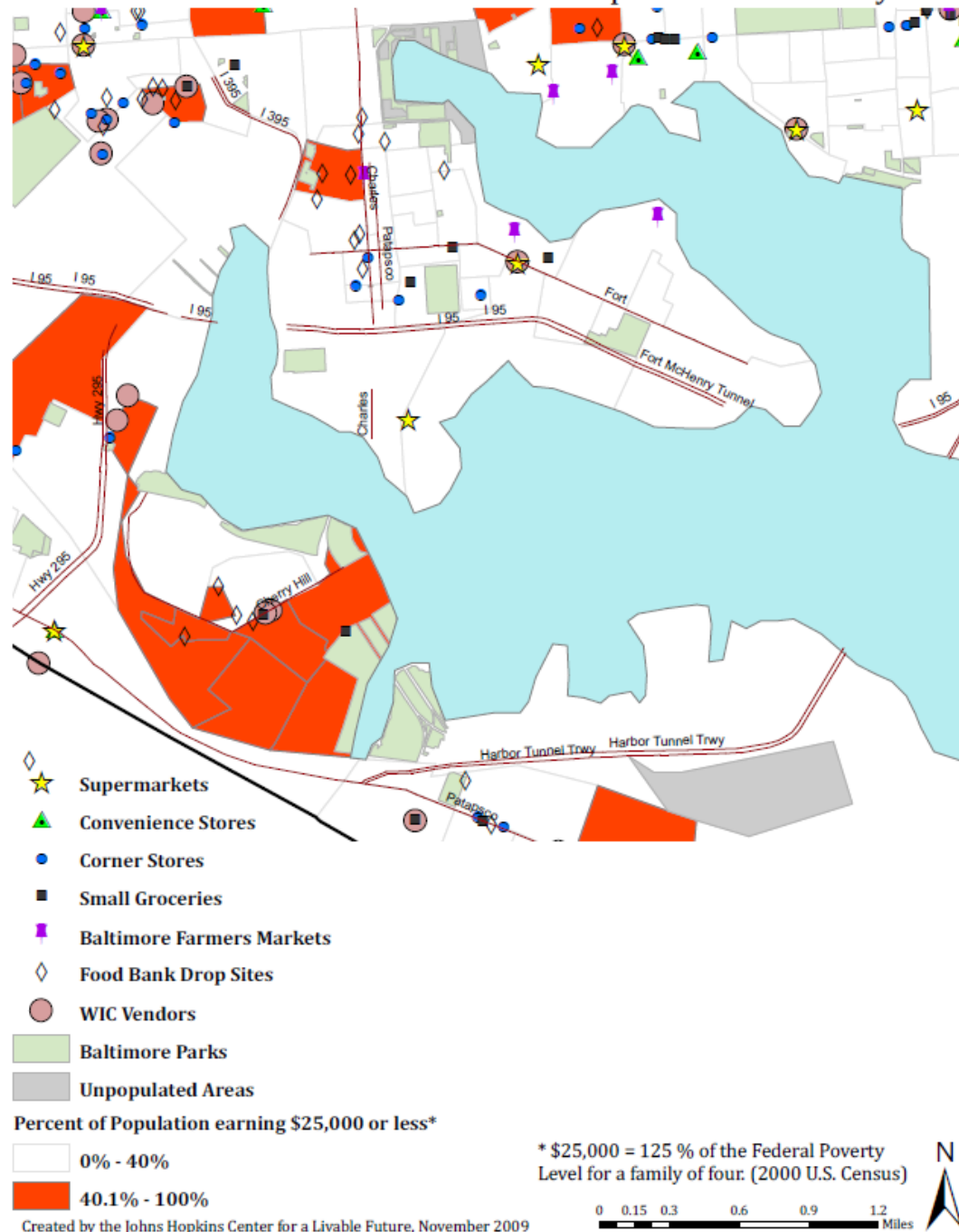


There are 92 community gardens included in this map. The locations and names were collected from Baltimore City Extension, Parks & People Foundation and Baltimore City Parks & Recreation.

- Baltimore Community Gardens 2009
- Baltimore Urban Farms 2009
- Baltimore Parks
- Unpopulated Areas



Middle Branch Food Sources and Population in Poverty



Middle Branch Food Deserts and Supermarkets



★ Supermarkets

■ Baltimore Parks

■ Unpopulated Areas

■ Food Deserts*

* Food Deserts are defined as block groups that are more than 1/4 mile from a major supermarket, and have 40% or more of their population with an income below 125% of the poverty line (below \$25,000 for a family of four).



Food Stores in Clifton Park Neighborhood, and Population Earning Less than \$37,000 Annually



- **Baltimore Urban Farms**
 - **Baltimore Parks**
 - ★ **SUPERMARKETS**
 - **Small Groceries**
 - **Corner Stores**
 - ▲ **Convenience Stores**
 - ◇ **Food Bank Drop Sites**
 - **WIC Vendors**
- Percent of Population earning \$37,000 or less***
- 0% - 40%**
 - 40.1% - 100%**
- * Annual Income of \$37,000 or less, which is equal to 185 % or less of the Federal Poverty Level for a family of four. (2000 Census)



Clifton Park Neighborhood: Supermarkets and Food Deserts



Baltimore Urban Farms



SUPERMARKETS



Baltimore Parks



Food Deserts*

* Food Deserts are defined as block groups that are more than 1/4 mile from a major supermarket, and have 40% or more of their population with an income below 125% of the Federal Poverty Level (below \$25,000 for a family of four).



Number of Farms by Product in Maryland in 2007

